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Taxonomic notes.—MIYABE and KUDO²¹ are investigating and recording material for a flora of Hokkaido, Japan, and five small fascicles have been published. In these fascicles 60 species are presented, new species being described in *Luzula*, *Eriophorum*, *Tofieldia* (3), and *Dactyloctenium* (an orchid). In addition to new species there are several new names and combinations.

MIYAKE²², in connection with a study of fungi from China, includes in his published list of 56 species descriptions of 4 new species of Fungi Imperfecti, representing the following genera: *Coniothyrium*, *Melophia*, *Marsonia*, and *Cercospora*.

MAKINO,²³ in continuation of his studies of the flora of Japan, has published new species in *Scleria* (2) and *Utricularia*.

BLAKE²⁴ has described the following new genera of Compositae, chiefly Mexican: *Haplocalymma* (based on *Viguiera microcephala* Greenm.), *Phoebanthus* (to include *Helianthella grandiflora* T. and G. and *H. tenuifolia* T. and G.), and *Pionocarpus* (based on *Helianthella madrensis* Wats.); and also new species in *Gymnolomia*, *Viguiera* (2), *Perymenium* (3), and *Chrysactinia*.

ROBINSON²⁵ has described new species from Cuba, Mexico, and Guatemala in *Eupatorium* (5), *Brickellia*, *Verbesina*, and *Liabum*, in addition to new varieties, forms, names, and combinations.

MACBRIDE,²⁶ in connection with a study of the Borraginaceae of the Gray Herbarium, has found it necessary to make a number of new names and combinations, and has also described two new species of *Heliotropium*, both from Mexico.—J. M. C.

Morphology of Treubia.—CAMPBELL,²⁷ studying material of *Treubia insignis* collected at the original station near Tjibodas on Mount Gedeh, Java, finds that the archegonia, which occur in groups up to a dozen, have as many as 9 neck cells; that there is no clear line of demarcation between the deck and the ventral region; and that as many as 8 neck canal cells are sometimes present. GRÜN, studying the same form, reports as many as 16 neck canal

²¹ MIYABE, K., and KUDO, Y., Materials for a flora of Hokkaido. Pts. 2, 3, 4, 5. Trans. Sapporo Nat. Hist. Soc. 5:37-44, 65-80, 145-152; 6:1-9. 1915.

²² MIYAKE, I., Studien über chinesische Pilze. Bot. Magazine 27:45-54. 1913.

²³ MAKINO, T., Observations of the flora of Japan. Bot. Magazine 27:55-60. 1913.

²⁴ BLAKE, S. F., Compositae new and transferred, chiefly Mexican. Proc. Amer. Acad. 51:515-526. 1916.

²⁵ ROBINSON, B. L., New, reclassified, or otherwise noteworthy spermatophytes. Proc. Amer. Acad. 51:527-540. 1916.

²⁶ MACBRIDE, J. FRANCIS, Certain Borraginaceae, new or transferred. Proc. Amer. Acad. 51:541-548. 1916.

²⁷ CAMPBELL, DOUGLAS HOUGHTON, The archegonium and sporophyte of *Treubia insignis* Goebel. Proc. Nat. Acad. 2:30-31. 1916.